Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Estimate for the work of Repairs and maintenance of Footpath in ward no. 03 Yelahanka Satellite Town Sub Division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	**Removing and refixing stone slabs** of drains and pointing in CM (1:3) (P.No-27,I No-5.33 of PWD BCSR 2018-19)								
	Top slab								
	Desilt of Drains								
		2	200.00	0.90		360.00			
		2	250.00	0.90		450.00			
		2	160.00	0.90		288.00			
						1098.00			
	consider 50%					549.00			
	Deduct 40% missing/damaged					219.60			
						329.40			
						329.40	**Sqm**	**111.30**	**36,662.22**
	Basic Rate	105.00							
	Area Weightage 6%	6.30							
	Grand Total	111.30							
2	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (P.No-143 &136 ,I No-19.1&17.4& 17.1 of PWD BCSR 2018-19) 8km lead= 57+2.0x1.28x8 =77.48, including the cost of loading and unloading, disposal using private vehicle and lead off of 8km								
	Desilt								
	Desilt of Drains								
		2	200.00	0.50	0.35	70.00			
		2	250.00	0.50	0.40	100.00			
		2	160.00	0.50	0.30	48.00			
						218.00	**Cum**	**215.28**	**46,931.04**
	Basic Rate	130.00							
	Area Weightage 6%	7.80							
	Sub Total	137.80							
	Loading and Unloading	77.48							
	Grand Total	215.28							
3	KSRRB M300-14. **Excavation for roadwork** in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 6.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143 of PWD BCSR 2018-19) , 8km lead= 2.0x1.28x8 =20.48 , including the cost of loading and unloading, disposal using private vehicle and lead off of 6km								
	Debris								
		10	40.00	2.00	0.60	480.00			
		8	35.00	2.40	0.80	537.60			
		5	50.00	2.10	0.70	367.50			

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		15	46.00	2.60	0.55	986.70			
						2371.80	**Cum**	**63.94**	**151652.89**
	Basic Rate	41.00							
	Area Weightage 6%	2.46							
	Sub Total	43.46							
	Loading and Unloading	20.48							
	Grand Total	63.94							
4	KSRB 4-1.5 : Providing and laying in position **plain cement concrete of Mix M20** with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. (I No-4.5, P No-13 of PWD BCSR 2018-19)								
	Walling coping								
		2	300.00	0.15	0.20	18.00			
						18.00	**Cum**	**6307.15**	**113528.67**
	Basic Rate	5328.00							
	6*103.69	622.14							
	Sub total	5950.14							
	Area Weightage 6%	357.01							
	Grand Total	6307.15							
5	KSRB 14.6 : Providing and laying **heavy duty cobble stones** interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. (P.No-103,I No-14.6)								
	Damaged footpath								
		1	20.00	1.50		30.00			
		1	25.00	2.00		50.00			
		1	14.00	1.20		16.80			
		1	30.00	1.80		54.00			
		1	22.00	2.00		44.00			
						194.80	**Sqm**	**1116.18**	**217431.86**
	Basic Rate	1053.00							
	Area Weightage 6%	63.18							
	Grand Total	1116.18							
6	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18 of PWD BCSR 2018-19)								
	Damaged footpath								
		1	20.00	1.50	0.15	4.50			
		1	25.00	2.00	0.15	7.50			
		1	14.00	1.20	0.15	2.52			
		1	30.00	1.80	0.15	8.10			
		1	22.00	2.00	0.15	6.60			

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						29.22	Cum	2001.28	58,477.40
	Basic Rate	1888.00							
	Area Weightage 6%	113.28							
	Grand Total	2001.28							
7	Providing and laying **100mm thick pre-cast cover slabs** over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM of machineries, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500, 1700. (P.No-272 ,I No-37.66 of PWD BCSR 2018-19) upto 1000mm width								
	frm item No-1 top slabs		219.60			219.60			
	Damaged slabs	5	30.00	0.90		135.00			
						354.60	Sqm	1922.00	681541.20
	Data Rate	1922.00							
8	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. (I No-5.30,P No-27 of PWD BCSR 2018-19)								
	Missing/ Damaged								
		1	495.00			495.00			
						495.00			
	Length/Length of Kerb= No of Kerb					1100.00			
						1100.00	Nos	435.75	479325.11
	Basic Rate	408.00							
	Area Weightage 6%	24.48							
	Grand Total	432.48							
								Total Construction Cost	1785550.40
								12% GST	214266.05
								Sub Total	1999816.45
								Utility Shifting,Miscellaneous and Rounding off	183.55
								GRAND TOTAL	2000000.00

TECHNICALLY SANCTIONED for 20.00 Lakhs
Rupees Twenty lakhs only
Under P...3726
Registered as CE ( ) No. 15
Subject to condition
enclosed memo EE ( ) No
Dt...13/12/2021 E...
RR/HP/EE(YNK-D)/TS/15/2021-22 15
Dated ...13/12/2021 Rs 20.00 Lakhs

Administrative Approval
Accorded For 20.00 Lakhs
Head of A/C....3726....
CER NO :....59.... Dt:.13/12/2021

TAA CE-(YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 02-11-2021 and Data Rates.

Assistant Engineer

Asst. Executive Engineer,
Yelahanka Satellite Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore